

## Utah Division of Air Quality New Source Review Section

Date:	
Company:	
Site/Source:_	

## Form 20 Organic Liquid Storage Tank

	Equipm	ent		
1.	Tank manufacturer:	2.	Identification number:	
3.	Installation date:	4.	Volume (gallons):	
5.	Inside tank diameter (feet):	6.	Tank height (feet):	
7.	True vapor pressure of liquid (psia):	8.	Reid vapor pressure of liquid (psi):	
9.	Outside color of tank:	10.	Maximum storage temperature (?F):	
11.	Average throughput (gallons per year):	12.	Turnovers:	
13.	Average liquid height (feet):	14.	Access hatch: G Yes G No Number	
15.	Type of Seals:  a. Primary seals:  G. Mechanical shoe  G. Resilient filled  G. Liquid filled  G. Vapor mounted  G. Liquid mounted  G. Flexible wiper  b. Secondary seal:  Type:	16.	Deck Fittings:  Gauge float well	
17.	Shell Characteristics: Condition: Breather Vent Settings: Tank Construction: Roof Type: Deck Construction: Deck Fitting Category:	18.	Type of Construction: G Vertical Fixed Roof G Horizontal Fixed Roof G Internal Floating Roof G External Floating Roof G Other (please specify)	
19.	Additional Controls:  G Gas Blanket G Venting G Carbon Adsorption	g Th	nermal Oxidation G Other:	
20. Single Liquid Information				

Liquid Name:	Liquid Name:
CAS Number:	CAS Number:
Avg. Temperature:	Avg. Temperature:
Vapor Pressure:	Vapor Pressure:
Liquid Molecular Weight:	Liquid Molecular Weight:

## Organic Liquid Storage Tank Form 20 (Continued)

21. Chemical Components Information				
Chemical Name: Percent of Total Liquid Weight: Molecular Weight: Avg. Liquid Temperature: Vapor Pressure:	Chemical Name: Percent of Total Liquid Weight: Molecular Weight: Avg. Liquid Temperature: Vapor Pressure:			
Emissions Calculations (PTE)				
22. Calculated emissions for each tank  VOCLbs/hr Tons/yr  HAPsLbs/hr (speciate)Tons/yr (speciate)				
Specify the method of calculations. Also, provide manufacture's Material Safety Data Sheets (MSDS) for products being stored Submit calculations as an appendix.				

Note:

- 1. Submit this form in conjunction with Form 1 and Form 2.
- 2. Call the Division of Air Quality (DAQ) at **(801) 536-4000** if you have problems or questions in filling out this form. Ask to speak with a New Source Review engineer. We will be glad to help!

## Instructions

- 1. Indicate the tank manufacturer's name.
- 2. Supply the equipment identification number that will appear on the tank.
- 3. Indicate the date of installation.
- 4. Indicate the capacity of the tank in gallons or barrels.
- 5. Specify the inside tank diameter in feet.
- 6. Specify the tank height in feet.
- 7. Indicate the true vapor pressure of the liquid (psia).
- 8. Indicate the Reid vapor pressure of the liquid (psi).
- 9. Indicate the outside color of the tank.
- 10. Supply the highest temperature the liquid will reach during storage (degrees Fahrenheit).
- 11. Indicate average annual throughput (gallons).
- 12. Specify how many times the tank will be emptied and refilled per year, month or week.
- 13. Specify the average liquid height (feet).
- 14. Indicate whether or not the tank has access hatches and the number.
- 15. Indicate what type of seals the tank has.
- 16. Indicate what type of deck fittings are installed.
- 17. Specify condition of the tank, also include the following:

Breather vent settings in (psig) for fixed roof tanks

Tank construction, welded or riveted

Roof type; pontoon, double deck, or self-supporting roof

Deck construction; bolted or welded, sheet or panel construction sizes and seam length

Deck fitting category; typical, controlled, or detail

- 18. Indicate the type of tank construction.
- 19. Indicate other types of additional controls which will be used.
- 20. Provide information on liquid being stored, add additional sheets as necessary.
- 21. Provide information on chemicals being stored, add additional sheets as necessary.
- 22. Supply calculations for all criteria pollutants and HAPs. Use AP42 or Manufacturers data to complete your calculations.

 $f:\label{lem:condition} f:\label{lem:condition} f:\l$